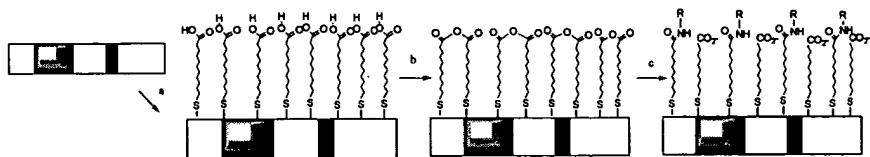
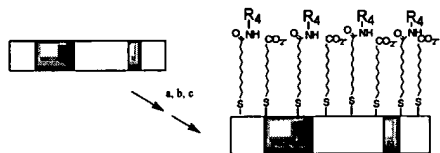
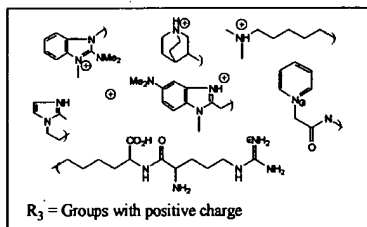
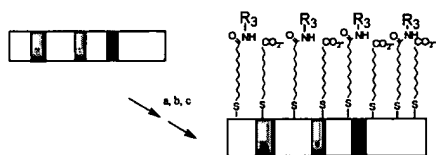
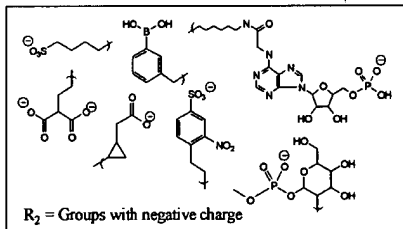
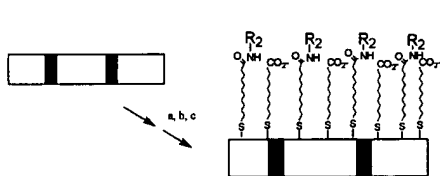
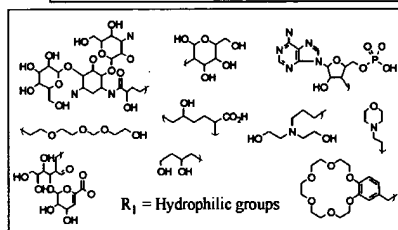
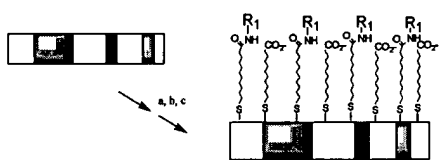
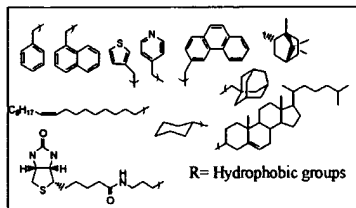


The diagram illustrates the steps of a competitive immunoassay using a simplified schematic. A horizontal bar at the bottom represents the solid support, with small black rectangles indicating binding sites. In step A, a free analyte (A) is shown as a diamond shape with a fluorophore (F) attached to a vertical line. In step B, the analyte-receptor complex (R) is shown as a diamond shape with a fluorophore (F) attached to a vertical line, and a receptor (R) is shown as a semi-circular shape with a fluorophore (F) attached to a vertical line. In step C, the free receptor (R) is shown as a semi-circular shape with a fluorophore (F) attached to a vertical line. In step D, the analyte-autoantibody complex is shown as a diamond shape with a fluorophore (F) attached to a vertical line, and an autoantibody (A) is shown as a semi-circular shape with a fluorophore (F) attached to a vertical line. In step E, the free autoantibody (A) is shown as a semi-circular shape with a fluorophore (F) attached to a vertical line.

2



a)  $\text{HS}(\text{CH}_2)_{10}\text{CO}_2\text{H}$ , b) dehydration, c)  $\text{RNH}_2$



R<sub>4</sub> = Cyclodextrins, Dendrimers, Calixarenes  
Peptides, Proteins, Nucleic Acids, Aptamers

FIGURE 2

**000000-000000**

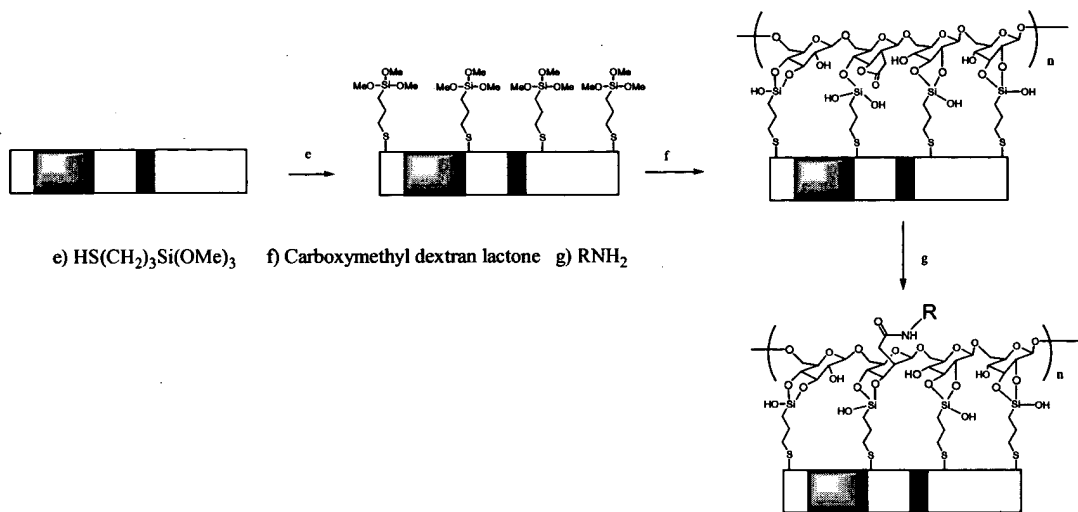


FIGURE 3

10, 40, 70 and 500kD AmDx

0.1 to 0.5 equiv/amine

TCEP/ pH 6.0

2x10e8, N14 lot

EDAC, Streptavidin

Savidin  
Dextran

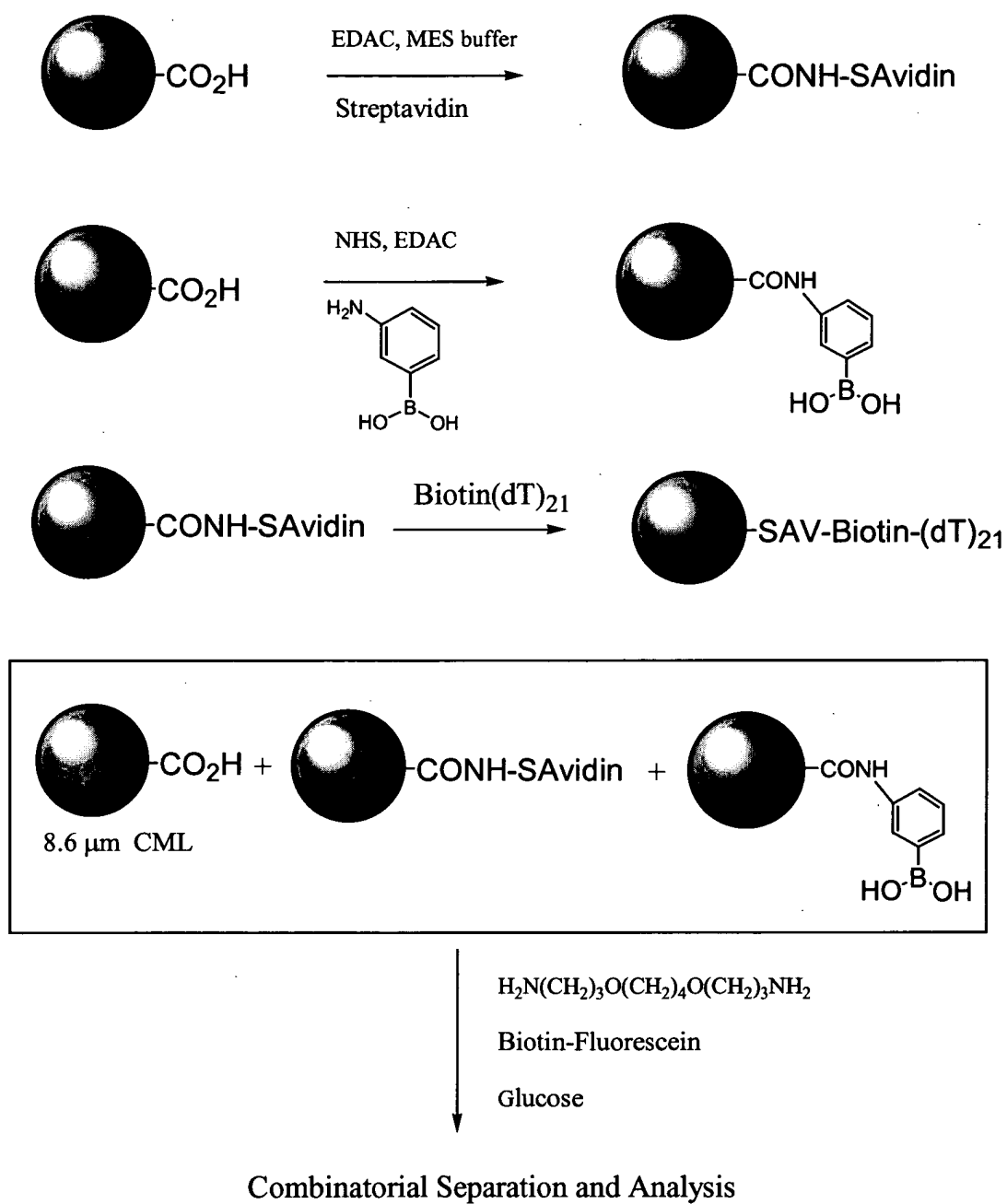


FIGURE 5